

Special Issue

Molecular Mechanisms in the Microbiome–Brain–Gut Axis

Message from the Guest Editor

Dear colleagues, The gut microbiome enables a constant transfer of information between the gut and the brain and there are many unexplored molecular pathways underpinning this transfer. The aim of this special edition will be to harness the key current research in the field into a compelling collection of novel research in the field.

The preferred theme of the research will be from a molecular biology point of view with mechanistic experiments consisting of either an in-vitro, in-silico or in-vivo nature forming the overall structure of submissions. Furthermore, this special edition will outline how the key nodes of the Microbiome–Brain–Gut Axis when disturbed, influence disease in the gut or the brain. Finally, it is hoped that of the articles submitted, some will show how therapeutic interventions targeting one aspect of the Microbiome–Brain–Gut Axis can repair other points along the axis. For example, can modulating the composition of the microbiome, influence the function of the brain via chemical or probiotic intervention (amongst many more).

Guest Editor

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Deadline for manuscript submissions

closed (31 August 2022)



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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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